



Fiber indoor cable, TeraSPEED® Riser Distribution, Multimode composite, 8 fiber single-unit, Feet jacket marking, Aqua jacket color

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East/Africa | North America

### Portfolio

CommScope®

### Product Type

Fiber indoor cable

### Product Series

R-DS

## General Specifications

### Cable Type

Distribution

### Construction Type

Non-armored

### Subunit Type

Gel-free

### Jacket Color

Aqua

### Jacket Marking

Feet

### Composite Fiber Count

2 + 6

### Total Fiber Count

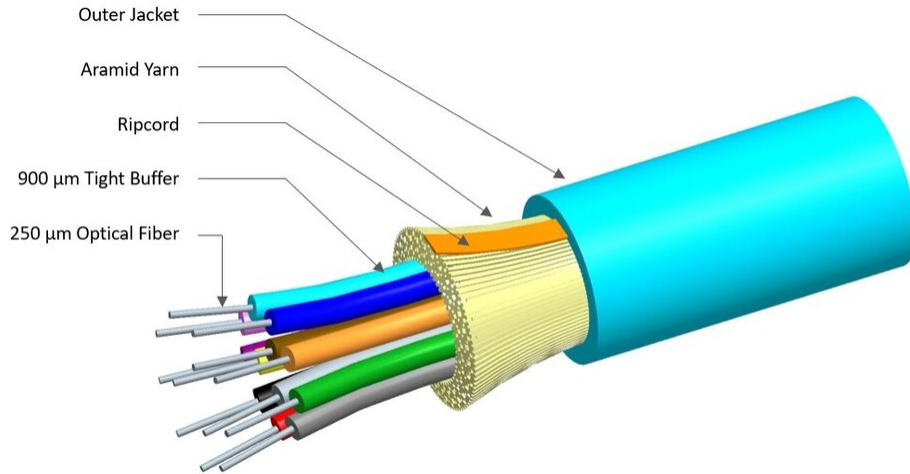
8

## Dimensions

### Diameter Over Jacket

5.42 mm | 0.213 in

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 81 mm   3.189 in                      |
| <b>Minimum Bend Radius, unloaded</b>     | 54 mm   2.126 in                      |
| <b>Tensile Load, long term, maximum</b>  | 200 N   44.962 lbf                    |
| <b>Tensile Load, short term, maximum</b> | 667 N   149.948 lbf                   |
| <b>Compression</b>                       | 10 N/mm   57.101 lb/in                |
| <b>Compression Test Method</b>           | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                              | 100 cycles                            |
| <b>Flex Test Method</b>                  | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                            | 2.94 N-m   26.021 in lb               |
| <b>Impact Test Method</b>                | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | FOTP-85   IEC 60794-1 E7              |
| <b>Vertical Rise, maximum</b>            | 500 m   1,640.42 ft                   |

## Optical Specifications

|                   |  |
|-------------------|--|
| <b>Fiber Type</b> | Composite MM/SM   G.652.D and G.657.A1, TeraSPEED®   OM3, LazrSPEED® 300 |
|-------------------|--|

## Environmental Specifications

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Installation temperature</b>      | -20 °C to +70 °C (-4 °F to +158 °F)   |
| <b>Operating Temperature</b>         | -20 °C to +70 °C (-4 °F to +158 °F)   |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F)  |
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-83-596   Telcordia GR-409 |
| <b>Environmental Space</b>           | Riser                                 |
| <b>Flame Test Listing</b>            | NEC OFNR (ETL) and c(ETL)             |
| <b>Flame Test Method</b>             | UL 1666                               |

## Environmental Test Specifications

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Heat Age</b>                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                      |
| <b>Low High Bend</b>                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11           |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1             |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 26 kg/km   17.471 lb/kft |
|---------------------|--------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## Included Products

|          |   |
|----------|---|
| CS-5L-TB | - LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber |
| CS-8W-TB | - TeraSPEED® Singlemode Fiber                         |

\* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable